



Version: A1.3

Features

- AC220V input, Save power supply cost
- High brightness 3030 LED with 160° optic lens
- High performance power supply: PF $\geq$ 0.9, efficiency $>$ 90%
- Exclusive injection molding design with IP67
- Stable and uniform light performance
- 10pcs per string and can be cut after the first 3 modules
- Dimming is not supported

Application

Suitable for outdoor lightbox with depth of 8-20cm.

Installation

Fixed by double-sided adhesive tape or screws

Specification

Model No.	Light Color	Color Temperature	Beam Angle	Luminous Flux (lm/pcs)	Ra	Efficacy (lm/W)	Voltage (AC)	Power (W/pcs)
BA18 2.0	W	6500K	160°	196	70+	98	220V	2

Other Parameters

Model No.	Quantity (LED Qty/pc)	Product Size (L*W)	Standard Run	Working Temperature	Storage Temperature
BA18 2.0	1	53*39mm	10pcs	-25~+60°C	-25~+70°C

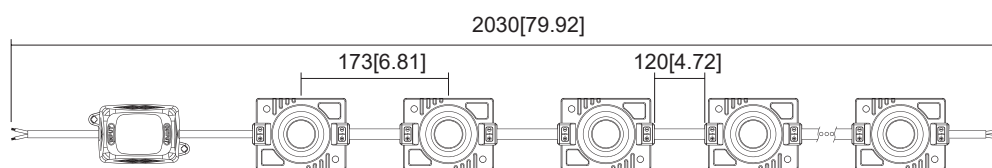
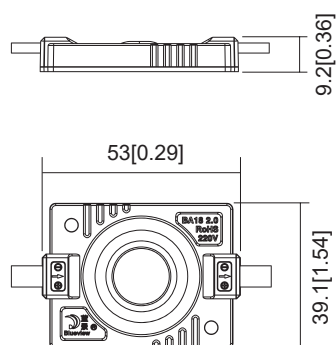
NOTE:

Test environment temperature : 20±2°C.

The above data are typical values, and the actual parameters of the product may differ from typical data. The data is subject to change without prior notice.

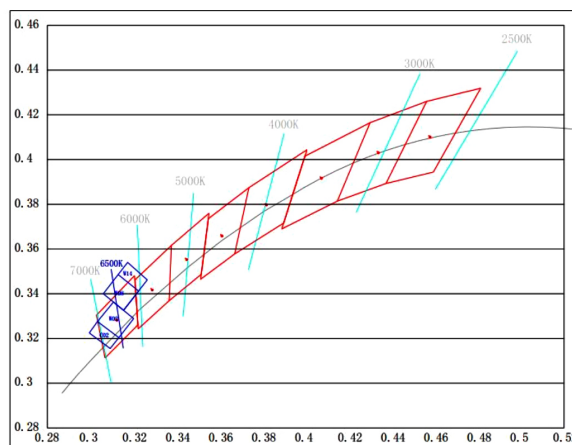
Profile Drawings

Unit:mm[inch]



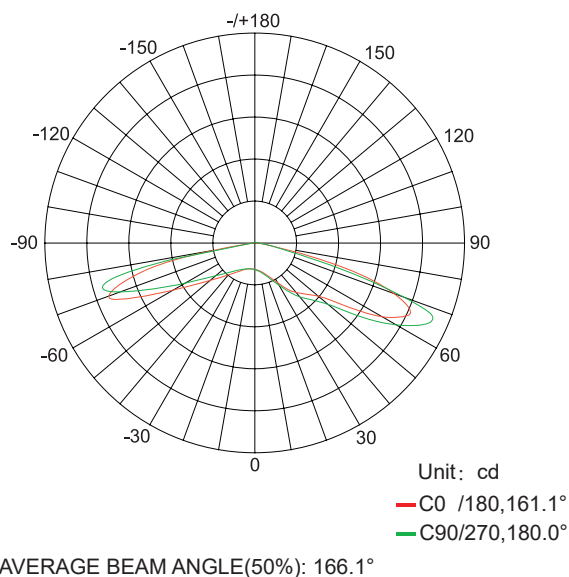
Dimension tolerance: length ±0.2mm; width ±0.2mm; height ±0.2mm.

CIE Chromaticity Diagram

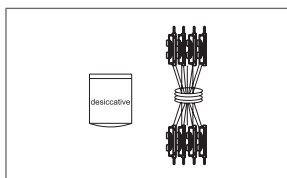




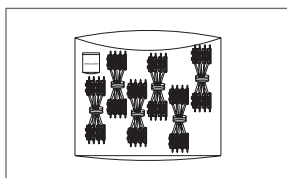
Luminous Intensity Distribution Diagram



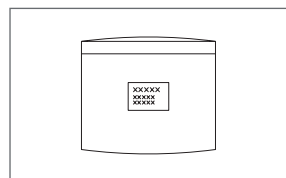
packing



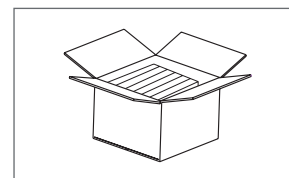
Prepare the desiccant and bind the product.



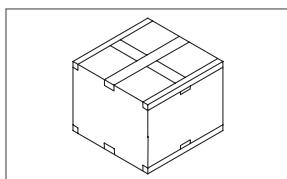
Put the product and desiccant into static shielding bag.



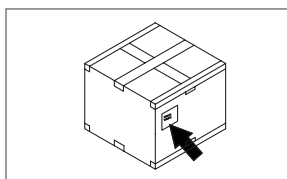
Seal and label the static shielding bag.



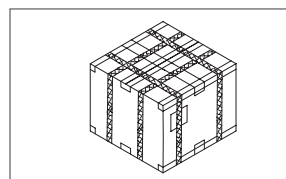
Put the static shielding bag side by side into carton box.



Seal the box.



Label the box;



Use packing belt to pack after adding the edge protectors.

Packaging information

Model No.	Product Size L*W(mm)	Carton Size(mm)	Pcs/Carton	Net Weight(kg)	Gross Weight(kg)
BA18 2.0	53*39	570*375*285	1000	24.6(1±10%)	25.9(1±10%)

Note:

Each string contains 10pcs modules, each bag contains 5 strings, and each carton contains 20 bags.

There may be differences in the packaging quantity and weight for other packaging methods, and the actual product shall prevail.



Attentions before installation

- this product currently has two voltages, 12V and 48V; In the same project, products with the same voltage are recommended.
- In the same project, it is recommended to select products of the same batch. If not, the light color consistency must be verified first.
- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have insulation, waterproof and anti-corrosive treatment.
- After installing the product in the cloth light box, it must be covered with cloth within 48 hours; it is strictly forbidden to use the light box without covering the cloth or leave it idle for a long time after the product is installed.

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Fix the short circuit problem.
	Automatic power protection from the open or short circuit in output of the power supply.	
	Wrong connection of power supply.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Correctly connection.
	Power supply line error.	
	Mistaken wire connection of some of products	
Brightness of LED is inconsistent tor insufficient.	Power overloaded.	Replace with more powerful power.
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within $\pm 5\%$ of standard voltage, or keep balance by circuit power consumption.
	Excessive quantities in series connection of the product	Reduce the quantities of the product in series connection to meet requirement.
LED flicker.	Connection point fault.	Remove bad connection point.
	Switching power supply failure.	Replace a new power supply.
	Wrong Installation or use of products	Please follow the instructions

Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 24 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.



Statements and Recycling

Statements:

- Repair should be operated by a qualified technician, if the external circuit or main line of this product is damaged.
- The parameters given in this manual are typical values and for reference only.
- All illustrations and drawings in this manual are for reference.
- This product is subject to change without notice.

Recycling:

- LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.
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